

# 34<sup>th</sup> ISSH Annual Meeting April 1<sup>st</sup>, 2024

## Hilton Hotel, Tel Aviv

07:30 – 08:25 Registration

08:25 – 08:30 **Opening Remarks** – Uri Farkash, Chairman ISSH

08:30 – 10.00 **Session I: Chairpersons:** Ido Volk, Michal Elfassi

08:30 – 09:20 **October 7 2024 – Lessons Learned from Swords of Iron War**  
Moderator - **Ido Volk**, Hadassah MC, Israel

08:30 – 08:40 **An Overwhelming Work Day in the Hospital**  
Asaf Acker, Soroka Medical Center

08:40 – 08:50 **Tourniquet Injuries**  
Shai Luria, Hadassah Medical Center

08:50 – 09.00 **Elbow injuries**  
Mark Loebenberg, Beilinson Medical Center

09:00 – 09:10 **Combat Related Upper Extremity Injuries - controversial cases and lessons learned**  
Zvi Steinberger, Sheba Medical Center

09:10 – 09:20 **Limb Salvage after Severe Ballistic Hand Injury**  
Shai Factor, Ichilov

09:20 – 09:30 **October 7 in the eyes of an Occupational Therapist**  
Dalit Shefer-Eini

**Free Papers [presentation: 6 min, discussion 4 min]**

09:30 – 09:40 **Mechanical effect of excision of the distal pole scaphoid**

**Ronit Wollstein MD<sup>1,2</sup>**, Nicholas Parody MsC<sup>1</sup>, Paul Iazard BsC<sup>1</sup>, Sallie Yassin BsC<sup>1</sup>, Steven Glickel MD<sup>1</sup>  
1. NYU Langone school of Medicine, Department of Orthopedic Surgery, NY, NY USA  
2. University of Alabama, Heersink school of Medicine, Birmingham, Alabama USA

09:40 – 09:50 **Occupational Hand Trauma – Mechanism of Injury and Transient Risk Factors on a National Scale**

**Cohen N<sup>1,2</sup>**, Calderon-Margalit R<sup>2</sup>, Volk I<sup>1</sup>, Krieger Y<sup>3</sup>, Feldman V<sup>4</sup>, Farkash U<sup>5</sup>, Zimmerman D<sup>6</sup>, Ornit Raz<sup>7</sup>  
Pardo A<sup>7</sup>, Luria S<sup>1</sup>

<sup>1</sup>Department of Orthopedic Surgery, Hadassah Medical Center, Faculty of Medicine, Hebrew University of Jerusalem, Jerusalem, Israel.

<sup>2</sup>Braun School of Public Health, Hadassah-Hebrew University, Jerusalem, Israel.

<sup>3</sup>Department of Plastic Surgery, Soroka University Medical Center, Ben-Gurion University of the Negev, Beer-Sheva, Israel.

<sup>4</sup>Department of Orthopedic Surgery, Meir Medical Center, Kfar Saba, Israel.

<sup>5</sup>Department of Orthopedic Surgery, Assuta Ashdod University Hospital, Ashdod, Israel.

<sup>6</sup>TEREM Emergency Care Centers, Israel.

<sup>7</sup>Israeli Institute for Occupational Safety and Hygiene, Tel Aviv, Israel.

09:50 – 10.00 **Our experience with the Posterior Interosseous Artery Flap for skin defect coverage in the dorsal hand**

**Yoeli Liav** Katzevman Haim, Dreyfuss Daniel, Munteanu Alexandru, Hutt Dan  
Hand & Microsurgery unit, Rambam Healthcare Campus, Haifa, Israel

10:00 – 10:30 **Coffee Break, Exhibition visit**

10.30 – 12.30 **Session II: Chairpersons:** Shai Luria,

10.30 - 11.30 **Pediatric Hand Surgery**

Moderators – Terry Light, USA, Shai Luria, Hadassah MC, Israel

10.30 – 10.45 **Evolution of Pollicization** – 50 years after Buck Gramcko’s classic article -  
Terry Light

10.45 – 11.00 **Duplicate thumb – Can we keep it straight?**

Shai Luria, Hadassah MC

11.00 – 11.15 **Radial deficiency associations, syndromes, and pathologic anatomy – implications for treatment**

Terry Light

11.15 – 11.25 **Planning a National Registry of congenital differences**

Omer Slavin, Rabin MC

11.25 – 11.40 **Cleft hand**

Terry Light

11.40 – 12.10 **Free Papers [presentation: 6 min, discussion 4 min]**

11.40 – 11.50 **Human Tree Syndrome: A Case Report and Treatment Protocol**

Michael A. Chernofsky<sup>1</sup>, Vered Molho-Pessach<sup>2</sup>, Ahmad Adi<sup>1</sup>, Shai Luria<sup>2</sup>

<sup>1</sup>Division of Hand Surgery, Department of Orthopaedic Surgery; Hadassah University Hospital, Jerusalem

<sup>2</sup>Department of Dermatology; Hadassah University Hospital, Jerusalem, Israel

11.50 – 12.00 **Advancing Glenohumeral Dysplasia Treatment in Brachial Plexus Birth Injury: A comparison of the End-to-End versus End-to-Side Spinal Accessory to Suprascapular Nerve Transfer Techniques**

Hasbani Nathan,<sup>1,2</sup> Behbahani Mandana,<sup>1</sup> Koehler Steven M<sup>1</sup>

<sup>1</sup>Department of Orthopaedic Surgery, Montefiore Medical Center, Bronx, NY, USA

<sup>2</sup>School of Medicine, Tel Aviv University, Ramat Aviv, Tel Aviv, Israel

12.00 – 12.10 **Establishing the Psychological Impact of Congenital Upper Limb Differences on Parents and Families**

Robert Miller<sup>1</sup>, Alexandra Mackenzie<sup>1</sup>, Ted Welman<sup>1</sup>, Sue Bodger<sup>2</sup>, Maxim Horwitz<sup>1</sup>

<sup>1</sup>Plastic Surgery Department, Chelsea and Westminster Hospital, London

<sup>2</sup>Department of psychology, Chelsea and Westminster Hospital, London

12.10 – 12.30 **ISSH Annual Professional Meeting**

12:30 – 13:30 **Lunch, Exhibition Visit**

13:30 – 15:30 **Session III: Chairpersons:** Uri Farkash, Shifra Netanely

13:30 – 14:30 **Interesting Case Presentation**  
**Moderator** – Uri Farkash

13:30 – 13:40 **Mirror Hand**  
Omer Slevin, Beilinson Medical Center

13:40 – 13:50 **The Crushed Hand**  
Hagay Orbach, Ha'emek Medical Center

13:50 – 14:00 **Saving the Thumb Arthroplasty**  
Daniel Dreyfuss, Rambam Medical Center

14:00 – 14:10 **The Smashed Elbow**  
Uri Farkash, Assuta-Ashdod Medical Center

14:10 – 14:20 **The Exploded Hand**  
Firas Laham, Sheba Medical Center

14:20 – 14:30 **Trapezial dysplasia**  
Waheeb Alayoubi, Hadassah Medical Center

14:30 – 15:00 **Free Papers [presentation: 6 min, discussion 4 min]**

14:30 – 14:40 **A Novel Pulsed Electromagnetic Field Device as an Adjunct Therapy to Surgical Treatment of Distal Radius Fractures: A Prospective, Double-Blind, Sham-Controlled, Randomized Pilot Study.**

**Factor Shai**, Gurel Ron, Atlan Franck, Tordjman Daniel, Rosenblatt Yishai, Eisenberg Gilad, Pritsch Tamir  
Hand unit surgery, Orthopedic Division, Tel Aviv Medical Center, Tel Aviv, Israel

14:40 – 14:50 **The alternative theory for understanding wrist biomechanics is based on two centers of rotation according to the fractal mathematical model and the Fibonacci golden section.**

**Gorelick Lauren**,<sup>(1)</sup> **Oron Amir**<sup>(2)</sup>

<sup>(1)</sup> Hand surgery, Clalit health services, Akko (Acre), Israel

<sup>(2)</sup> Hand surgery Unit, Kaplan Medical Center, Rehovot, Israel

14:50 – 15:00 **Peripheral nerve reconstruction and treatment of painful neuromas with processed nerve allografts: A comprehensive data review, our initial experience, and clinical outcomes**

**Seltser Anna**, Arami Amir

Department of Hand Surgery and Limb Salvage Surgery, Sheba Medical Center, Tel-HaShomer, Israel

15:00 – 15:30 **Coffee Break, Exhibition visit**

15:30 – 17:00 **Session IV: Chairpersons:** Guy Rubin, Efrat Ziv

**Free Papers [presentation: 6 min, discussion 4 min]**

15:30 – 15:40 **Anatomical Observations for Reducing Pressure on and in the Median Nerve in Carpal Tunnel Syndrome**

**Daniel Reis**  
Orthopedics, Rambam Medical Center, Haifa, Israel

15:40 – 15:50 **Does prophylactic decompression of distal nerves following nerve repair improve functional recovery? A scoping review**

**Abu Nasser Layalee**, Cook Hannah, Sugand Kapil, Panagiotidou Anna, Quick Tom, Sinisi Marco, Fox Michael  
Peripheral Nerve Injury unit, Royal National Orthopaedic Hospital, London, United Kingdom

15:50 – 16:00 **A cost-effectiveness analysis and safety of repeated corticosteroid injections and surgical release for carpal tunnel syndrome**

**Frenkel Rutenberg Tal**,<sup>(1)(2)</sup>, Rutenberg Ran,<sup>(3)</sup>, Fang Nico,<sup>(4)</sup>, Shiraz Salaman,<sup>(5)</sup>, Galvis Elkin Leon<sup>(4)</sup>  
(1) Orthopedic surgery, Rabin Medical Center, Israel  
(2) Hand surgery, Christine M. Kleinert Institute for Hand & Microsurgery, Louisville, Kentucky, USA  
(3) Emergency Medicine, Rabin Medical Center, Israel  
(4) Hand Surgery, Christine M. Kleinert Institute for Hand & Microsurgery, Louisville, Kentucky, USA  
(5) Hand Surgery, Christine M. Kleinert Institute for Hand & Microsurgery, Louisville, Kentucky, USA

16:00 – 16:10 **Treating patients with pain syndromes with nerve transfer, neurolysis and neurectomy. A case series.**

**Sakhnini Mojahed**  
Hand surgery, RMC-MEDICA, Israel

16:10 – 16:20 **Nerve Transfer for Tetraplegia: Outcomes of Nerve Transfers for Flexion and Extension Phases. Restoring Wrist Extension Is a Priority.**

**El-Haj Madi**,<sup>(1)</sup>, Goldberg Shoshana,<sup>(2)</sup>, Vorobeitchik Sofia,<sup>(3)</sup>, Zwecker Manuel<sup>(2)</sup>  
(1) Orthopedic department, Hadassah Medical Center, Jerusalem, Israel  
(2) Neurological Rehabilitation, Sheba Medical Center, Ramat Gan, Israel  
(3) Faculty of Medicine, Hebrew University of Jerusalem, Jerusalem, Israel

16:20 – 16:30 **Diagnosis and Management of Trigger Wrist.**

**Silver Natan**,<sup>(1)</sup>, Cohen Josh,<sup>(2)</sup>, Brown Daniel<sup>(3)</sup>  
(1) The Upper Limb Unit, Wrightington Hospital, Wrightington, UK  
(2) Orthopaedic Department, Shaare Zedek Medical Center, Jerusalem, Israel  
(3) Department of Trauma and Orthopaedics, Liverpool University Hospitals Foundation Trust, Liverpool, UK

16:30 – 16:40 **Safety of Immediate Open Traumatic Extensor Tendon Repair Performed at an Emergency Department Minor Procedure Room**

**Frenkel Rutenberg Tal**,<sup>(1)(2)</sup>, Galvis Elkin Leon,<sup>(2)</sup>, Michaeli Oren,<sup>(2)</sup>, Ozyurekoglu Tuna<sup>(2)</sup>  
(1) Orthopedic surgery, Rabin Medical Center, Israel  
(2) Hand surgery, Christine M. Kleinert Institute for Hand & Microsurgery, Louisville, Kentucky, USA

16:40 – 16:50 **The Trochleocapitellar index for accurate assessment of supracondylar elbow fracture reduction and clinical outcome of the treatment in children and adults.**

**Gorelick Lauren**,<sup>(1)</sup>, Gelman Roman,<sup>(2)</sup>, Oron Amir<sup>(3)</sup>  
(1) Hand surgery, Clalit Health Care Services, Akko (Acre), Israel  
(2) Orthopedic Surgery, Leumit Health Care Services, Hadera, Israel  
(3) Hand Surgery, Kaplan Medical Center, Rehovot, Israel

16:50 – 17:00 **Musculoskeletal load, and ergonomic risk factors among surgeons, a comparison between laparoscopic and robotic surgery**

**Levanon Y.**,<sup>1,2</sup> **Katz E.**,<sup>3</sup> **Levi L.**,<sup>2</sup> **Nota A.**,<sup>2</sup> **Portnoy S.**,<sup>1</sup> & **Hazzan D.**<sup>3</sup>  
<sup>1</sup>Sheba medical center, Occupational Therapy Department  
<sup>2</sup>Tel Aviv University, Occupational Therapy Department  
<sup>3</sup>Sheba medical center, General Surgery Department

17.00 **Closing Remarks**